



SEQUENCE LISTING

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BALU, PALANI
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PIPLANI, SUNILA
MERRILL, BARBARA MCEOWEN
SCHATZ, PETER JOSEPH

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STIMULATING FACTOR RECEPTOR (G-CSFR) AND ASSOCIATED
USES

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<140> 09/620,091

<141> 2000-07-20

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<170> PatentIn Ver. 2.1

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<211> 16

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<210> 90

<211> 12

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Gly Cys Ser Phe Val Gln Leu Asn Ser Ile Cys Gly
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<210> 91

<211> 12

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<223> Description of Artificial Sequence: Synthetic peptide

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Gly Cys Pro Ala Trp Tyr Leu Glu Tyr Met Cys Gly
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Gly Cys Pro Asp Trp Tyr Leu Glu Tyr Met Cys Gly
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<210> 93

<211> 12

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<223> Description of Artificial Sequence: Synthetic peptide

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Gly Cys Lys Tyr Trp Gln Trp Phe Asp Lys Cys Gly
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<210> 94

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

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Gly Cys Asp His Trp Met Trp Tyr Asp Lys Cys Gly
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<210> 95

<211> 9

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<213> Artificial Sequence

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<210> 96
<211> 9
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peptide

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Gln Ser Asn Ser Gly Trp Val Trp Val
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<210> 97
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Arg Ala Asn Ser Gly Trp Val Trp Val
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<210> 99
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Tyr Asp Asn Ser Gly Trp Val Trp His
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<211> 10

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Leu Ser Asp Ser Gly Trp Val Trp Val Pro
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<210> 101

<211> 15

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<213> Artificial Sequence

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Glu Gln Ser Asn Ser Gly Trp Val Trp Val Gly Gly Gly Gly Cys
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<210> 102

<211> 11

<212> PRT

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<223> Description of Artificial Sequence: Synthetic peptide

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Cys Glu Gln Ser Asn Ser Gly Trp Val Trp Val
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<210> 103

<211> 18

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

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Glu Gln Ser Asn Ser Gly Trp Val Trp Val Gly Gly Gly Gly Cys Lys
 1 5 10 15

Lys Lys

<210> 104

<211> 15

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<400> 104

Glu Gln Ser Asn Ser Gly Trp Val Trp Val Gly Lys Lys Lys Cys
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<210> 105

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Glu Gln Ser Asn Ser Gly Trp Val Trp Val Gly Lys Lys Lys
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<210> 106

<211> 13

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Lys Lys Lys Glu Gln Ser Asn Ser Gly Trp Val Trp Val
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<210> 107

<211> 18

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Glu Gln Ser Asn Ser Gly Trp Val Trp Val Gly Lys Lys Lys Ser Lys
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Lys Lys

<210> 108

<211> 16

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 1 5 10 15

<210> 109

<211> 20

<212> PRT

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<223> Description of Artificial Sequence: Synthetic peptide

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Glu Gln Ser Asn Ser Gly Trp Val Trp Val Gly Gly Gly Gly Gly Gly
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Cys Lys Lys Lys
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<210> 110

<211> 10

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Ser Asn Glu Ser Gly Trp Val Trp Leu Pro
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<210> 113
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 Gln Arg Ala Asn Ser Gly Trp Val Trp Val
 1 5 10

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<400> 114
 Asp Tyr Asp Asn Ser Gly Trp Val Trp His
 1 5 10

<210> 115
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<212> PRT
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<220>
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<400> 115
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 1 5 10 15

<210> 116
 <211> 18
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<400> 116
 Glu Gln Ser Asn Ser Gly Trp Val Trp Val Gly Gly Gly Gly Ser Lys
 1 5 10 15
 Lys Lys

<210> 117
 <211> 15
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 peptide

<400> 117
 Glu Gln Ser Asn Ser Gly Trp Val Trp Val Gly Gly Gly Gly Ser
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<210> 118
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<400> 118
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 Gln Ser Asn Ser Gly Trp Val Trp Val Gly Gly Gly Gly Ser
 20 25 30

<210> 119
 <211> 20
 <212> PRT
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<220>
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 peptide

<400> 119
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 Val Ala Arg His
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<210> 120
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 <212> PRT
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<400> 120
 Glu Arg Asp Trp Phe Cys
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<210> 121
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<220>
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<400> 121
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<210> 122
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 <212> PRT
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<220>
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 peptide

<400> 122
Glu Arg Leu Trp Phe Cys
1 5

<210> 123
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peptide

<400> 123
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<210> 124
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peptide

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1 5

<210> 125
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<400> 125
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1 5

<210> 126
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1 5

<210> 127
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peptide

<400> 127
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1 5

<210> 128
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<400> 128
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1 5

<210> 129
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peptide

<400> 129
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1 5

<210> 130
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peptide

<400> 130
Glu Arg Ala Leu Met Cys
1 5

<210> 131
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peptide

<400> 131
Glu Arg Asp Val Met Cys
1 5

<210> 132
<211> 6
<212> PRT
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peptide

<400> 132
Glu Arg Lys Trp Phe Cys
1 5

<210> 133
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peptide

<400> 133
Glu Thr Trp Gly Glu Arg Asp Trp Phe Cys
1 5 10

<210> 134
<211> 10
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<220>
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peptide

<400> 134

Glu Thr Trp Gly Glu Arg Asp Trp Gly Cys
1 5 10

<210> 135

<211> 10

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<223> Description of Artificial Sequence: Synthetic
peptide

<400> 135

Ser Thr Ala Glu Arg Leu Trp Phe Cys Gly
1 5 10

<210> 136

<211> 10

<212> PRT

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<223> Description of Artificial Sequence: Synthetic
peptide

<400> 136

Tyr Glu Thr Ala Glu Arg Ser Tyr Phe Cys
1 5 10

<210> 137

<211> 10

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
peptide

<400> 137

Ala Asp Asn Ala Glu Arg Gly Trp Phe Cys
1 5 10

<210> 138

<211> 10

<212> PRT

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<223> Description of Artificial Sequence: Synthetic
peptide

<400> 138

Gln Ser Asn Ser Glu Arg Glu Trp Phe Cys
1 5 10

<210> 139

<211> 10

<212> PRT

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<223> Description of Artificial Sequence: Synthetic
peptide

<400> 139

Ser Thr Ser Glu Arg Ala Trp Phe Cys Gly
1 5 10

<210> 140

<211> 10

<212> PRT

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peptide

<400> 140

Ala Ser Trp Ser Glu Arg Gly Trp Phe Cys
1 5 10

<210> 141

<211> 10

<212> PRT

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<223> Description of Artificial Sequence: Synthetic
peptide

<400> 141

Glu Leu Ser Ser Glu Arg Glu Trp Phe Cys
1 5 10

<210> 142

<211> 10

<212> PRT

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peptide

<400> 142
Asp Met Gln Gly Glu Arg Gly Trp Phe Cys
1 5 10

<210> 143
<211> 10
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peptide

<400> 143
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1 5 10

<210> 144
<211> 10
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peptide

<400> 144
Gly Asn Met Arg Glu Arg Leu Tyr Phe Cys
1 5 10

<210> 145
<211> 10
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peptide

<400> 145
Gln Pro Asn Arg Glu Arg Tyr Phe Met Cys
1 5 10

<210> 146
<211> 10
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peptide

<400> 146

Ser Val Thr Arg Glu Arg Leu Phe Leu Cys
 1 5 10

<210> 147

<211> 15

<212> PRT

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 147

Ile Pro Leu Ser Glu Arg Ala Leu Met Cys Ser Ser Trp Asn Cys
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<210> 148

<211> 15

<212> PRT

<213> Artificial Sequence

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<400> 148

Trp Ala Arg Ser Glu Arg Asp Val Met Cys Leu Ser Tyr Val Cys
 1 5 10 15

<210> 149

<211> 11

<212> PRT

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 149

Gln Ser Asn Ser Glu Arg Glu Trp Phe Cys Gly
 1 5 10

<210> 150

<211> 15

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<400> 150

Gln Ser Asn Ser Glu Arg Glu Trp Phe Cys Gly Gly Gly Gly Ser
 1 5 10 15

<210> 151

<211> 19

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<400> 151

Asn Leu Glu Glu Ala Leu Ala Gln Glu Arg Leu Trp Phe Cys Arg Ser
 1 5 10 15

Gly Asn Cys

<210> 152

<211> 19

<212> PRT

<213> Artificial Sequence

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<400> 152

Asn Leu Glu Ser Tyr Glu Met Glu Glu Arg Lys Trp Phe Cys Lys Met
 1 5 10 15

Phe Ser Cys

<210> 153

<211> 9

<212> PRT

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<400> 153

Asp Met Val Tyr Ala Tyr Pro Pro Trp
 1 5

<210> 154

<211> 9

<212> PRT

<213> Artificial Sequence

<220>
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 peptide

<400> 154
 Glu Met Val Tyr Thr Val Pro Tyr Trp
 1 5

<210> 155
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 peptide

<400> 155
 Asp Met Val Tyr Ala Tyr Pro Pro Trp Ser
 1 5 10

<210> 156
 <211> 10
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 peptide

<400> 156
 Asp Glu Met Val Tyr Thr Val Pro Tyr Trp
 1 5 10

<210> 157
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 peptide

<400> 157
 Cys Glu Ser Arg Leu Val Glu Cys Ser Arg Met Cys
 1 5 10

<210> 158
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<400> 158

Cys Glu Thr Tyr Met Thr Tyr Val Tyr Trp Leu Cys
1 5 10

<210> 159

<211> 12

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<400> 159

Cys Gly Glu Arg Leu Ala Glu Cys Ala Arg Leu Cys
1 5 10

<210> 160

<211> 12

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<400> 160

Cys Glu Ser Arg Leu Arg Glu Cys Ser Met Leu Cys
1 5 10

<210> 161

<211> 12

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 161

Cys Glu Ala Arg Leu Ser Glu Cys Ser Arg Ile Cys
1 5 10

<210> 162

<211> 12

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<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 162

Cys Pro Ala Arg Leu Leu Glu Cys Ser Arg Met Cys
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<211> 12

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 163

Cys Glu Ser Val Gly Val Gly Asp Trp Trp Ser Cys
1 5 10

<210> 164

<211> 12

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<400> 164

Cys Glu Asp Arg Leu Val Glu Gly Pro Trp Val Cys
1 5 10

<210> 165

<211> 12

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 165

Cys Asn Asp Gln Phe Arg Thr Cys Val Asp Val Cys
1 5 10

<210> 166

<211> 12

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 166

Cys Arg Gly Glu Trp Trp Glu Leu Tyr His Pro Cys
1 5 10

<210> 167

<211> 12

<212> PRT

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 167

Cys Glu Asp Thr Arg Thr Gly Trp Ala Trp Ser Cys
1 5 10

<210> 168

<211> 12

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<400> 168

Cys Thr Trp Leu Ser Ser Gly Glu Leu Val Trp Cys
1 5 10

<210> 169

<211> 12

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<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 169

Cys Trp Pro Pro Val Cys Glu Val Ser Gly Ile Cys
1 5 10

<210> 170

<211> 12

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<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 170

Cys Ser Leu Ser Pro Ile Gln Leu Gln His Leu Cys
1 5 10

<210> 171

<211> 12

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<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 171

Cys Leu Ala Arg Leu Glu Glu Cys Ser Arg Phe Cys
1 5 10

<210> 172

<211> 12

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 172

Cys His Asn Ser Ser Pro Met Val Gly Val Thr Cys
1 5 10

<210> 173

<211> 12

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 173

Cys His Val Ser Pro Val Gln Ile Lys Ala Leu Cys
1 5 10

<210> 174

<211> 12

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 174

Cys Ala Ala Pro Ala Thr Ser Trp Phe Gln Tyr Cys
1 5 10

<210> 175

<211> 12

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 175

Cys Ala Ser Lys Leu His Glu Cys Ser Leu Arg Cys
1 5 10

<210> 176

<211> 12

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 176

Cys Glu Pro Met Asp Ser Asn Gly Ile Val Gln Cys
1 5 10

<210> 177

<211> 12

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 177

Cys Gln Tyr Ala Ser Ala Ala Asp Glu Gln Arg Cys
1 5 10

<210> 178

<211> 12

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<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 178

Cys Glu Tyr Trp Asp Glu Pro Ser Leu Ser Trp Cys
1 5 10

<210> 179

<211> 12

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 179

Cys Glu Arg Glu Cys Phe Gln Met Leu Glu Arg Cys
1 5 10

<210> 180

<211> 12

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 180

Cys Gly Met Ser Thr Asp Glu Leu Asp Glu Ile Cys
1 5 10

<210> 181

<211> 12

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 181

Cys Tyr Val Ser Pro Ser Thr Gly Leu Tyr Ser Cys
1 5 10

<210> 182

<211> 12

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 182

Cys Glu Ala Arg Leu Val Glu Cys Ser Arg Leu Cys
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<210> 183

<211> 12

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<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 183

Cys Glu Ser Arg Leu Ser Glu Cys Ser Arg Met Cys
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<210> 184

<211> 12

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 184

Cys Glu Leu Lys Leu Gln Glu Cys Ala Arg Arg Cys
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<210> 185

<211> 12

<212> PRT

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 185

Cys Glu Leu Lys Leu Gln Glu Ala Ala Arg Arg Cys
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<210> 186

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 186

Cys Leu Glu Arg Leu Glu Glu Cys Ser Arg Phe Cys
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<210> 187

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 187

Gly Gly Cys Glu Ser Arg Leu Val Glu Cys Ser Arg Met Cys
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<210> 188

<211> 14

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 188

Gly Gly Cys Glu Thr Tyr Met Thr Tyr Val Tyr Trp Leu Cys
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<210> 189

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 189

Glu Trp Leu Cys Glu Ser Val Gly Val Gly Asp Trp Trp Ser Cys
 1 5 10 15

<210> 190

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 190

Tyr His Pro Cys Glu Asp Arg Leu Val Glu Gly Pro Trp Val Cys Cys
 1 5 10 15

Arg Ser

<210> 191

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 191

Trp Leu Leu Cys Asn Asp Gln Phe Arg Thr Cys Val Asp Val Cys Asp
 1 5 10 15

Asn Val

<210> 192

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

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<400> 192

Ile Ala Glu Cys Arg Gly Glu Trp Trp Glu Leu Tyr His Pro Cys Leu
 1 5 10 15

Ala Ala

<210> 193

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 193

Thr Trp Tyr Cys Glu Asp Thr Arg Thr Gly Trp Ala Trp Ser Cys Leu
 1 5 10 15

Glu Leu

<210> 194
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<400> 194
 Gln Leu Asp Cys Thr Trp Leu Ser Ser Gly Glu Leu Val Trp Cys Ser
 1 5 10 15

Asp Trp

<210> 195
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 <212> PRT
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<400> 195
 Gln Phe Asp Cys Thr Trp Leu Ser Ser Gly Glu Leu Val Trp Cys Ser
 1 5 10 15

Asp Trp

<210> 196
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 <212> PRT
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<400> 196
 Cys Trp Pro Pro Val Cys Glu Val Ser Gly Ile Cys Ser
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<210> 197
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Cys Gly Cys Ser Leu Ser Pro Ile Gln Leu Gln His Leu Cys
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<210> 198

<211> 14

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<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 198

Cys Gly Cys His Val Ser Pro Val Gln Ile Lys Ala Leu Cys
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<210> 199

<211> 13

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 199

Gly Cys His Val Ser Pro Val Gln Ile Lys Ala Leu Cys
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<210> 200

<211> 18

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

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Gly Thr Ser Cys Ala Ala Pro Ala Thr Ser Trp Phe Gln Tyr Cys Val
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Leu Pro

<210> 201

<211> 18

<212> PRT

<213> Artificial Sequence

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<400> 201

Arg Met Asp Cys Ala Ser Lys Leu His Glu Cys Ser Leu Arg Cys Ala
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Tyr Ala

<210> 202

<211> 18

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Gly Val Val Cys Glu Pro Met Asp Ser Asn Gly Ile Val Gln Cys Ser
 1 5 10 15

Met Arg

<210> 203

<211> 18

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Ile Asp Val Cys Gln Tyr Ala Ser Ala Ala Asp Glu Gln Arg Cys Leu
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Arg Ile

<210> 204

<211> 18

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Asn Val Leu Cys Glu Tyr Trp Asp Glu Pro Ser Leu Ser Trp Cys Leu
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Ser Ser

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Cys Gln Cys Glu Arg Glu Cys Phe Gln Met Leu Glu Arg Cys
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<223> Description of Artificial Sequence: Synthetic peptide

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Phe Cys Ser Cys Gly Met Ser Thr Asp Glu Leu Asp Glu Ile Cys Ala
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Ile Trp

<210> 207

<211> 18

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<223> Description of Artificial Sequence: Synthetic peptide

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Glu Glu Val Cys Tyr Val Ser Pro Ser Thr Gly Leu Tyr Ser Cys Tyr
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Asp Gln

<210> 208

<211> 17

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Asn

<210> 209
 <211> 20
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<220>
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 peptide

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Arg Arg Cys Asn
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<210> 210
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 peptide

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Glu Cys Ala Arg Arg Cys Asn
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<210> 211
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 peptide

<400> 211

Leu Gly Ile Glu Gly Arg Thr Gly Gly Gly Leu Leu Asp Ile Cys Glu
 1 5 10 15

Leu Lys Leu Gln Glu Cys Ala Arg Arg Cys Asn
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<211> 17

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<400> 212

Leu Leu Asp Ile Cys Glu Leu Lys Leu Gln Glu Ala Ala Arg Arg Cys
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Asn

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<211> 18

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Cys Asn

<210> 214

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<400> 214

Glu Glu Lys Leu Arg Glu Cys Ala Arg
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peptide

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Cys Met Lys Leu Met Glu Cys Ala Arg
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Glu Leu Arg Leu Arg Glu Cys Ala His
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peptide

<400> 218
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Glu Leu Lys Leu Ala Glu Cys Ala Arg
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Glu Leu Arg Leu Ala Glu Cys Ala Arg
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<400> 223

Glu Ser Arg Leu Ala Glu Cys Ala Arg
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<400> 225

Glu Ser Arg Leu Arg Glu Cys Ala Arg
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<400> 226

Glu Ala Lys Leu Ala Glu Cys Ala Arg
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<400> 227

Gln Trp Arg Leu Glu Glu Cys Ala Arg
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<400> 228

Gln Leu Arg Leu Glu Glu Cys Ala Arg
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<400> 229

Glu Leu Arg Leu Glu Glu Cys Ala Arg
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<210> 230

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<400> 230

Glu Ala Lys Leu Leu Glu Cys Ala Arg
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<210> 231

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 231

Glu Ala Arg Ala Gly Val Cys Ala Gly
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<210> 232

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<400> 232

Glu Ala Lys Ala Gly Val Cys Ala Gly
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<400> 233

Val Ala Arg Leu Glu Glu Cys Ala Arg
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<210> 234

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<400> 234

Glu Leu Lys Leu Asp Glu Cys Ala Arg
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<400> 235

Glu Trp Arg Leu Gln Glu Cys Ala Arg
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Glu Ala Lys Leu Ser Glu Cys Ala Arg
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<400> 237

Glu Ala Arg Leu Ser Glu Cys Ala Arg
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<210> 238

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 238

Glu Leu Lys Leu Leu Glu Cys Ala Arg
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<210> 239

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 239

Glu Leu Arg Leu Gln Glu Cys Gly Arg
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<210> 240

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 240

Glu Gln Lys Leu Ala Glu Cys Ala Arg
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<210> 241

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<400> 241

Glu Leu Arg Leu Gln Glu Cys Ala Arg
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<210> 242

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 242

Glu Leu Lys Leu Glu Glu Cys Ala Arg
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<210> 243

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<400> 243

Glu Ser Arg Leu Glu Glu Cys Ala Arg
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<210> 244

<211> 9

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 244

Glu Ala Thr Val Gln Glu Cys Ala Arg
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<210> 245

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<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 245

Glu Leu Lys Leu Gln Glu Cys Ala Arg
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<210> 246

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 246

Tyr Ser Arg Leu Glu Glu Cys Gly Arg
1 5

<210> 247

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<400> 247

Glu Leu Arg Leu Arg Glu Cys Ala Leu
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<210> 248

<211> 9

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<400> 248

Glu Ala Arg Leu Leu Glu Cys Ala Arg
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<210> 249

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<400> 249

Glu Ser Arg Leu Leu Glu Cys Ala Arg
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<210> 250

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Val Leu Lys Leu Glu Glu Cys Ala Arg
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<210> 251

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<400> 251

Glu Ser Lys Leu Ala Glu Cys Ala Arg
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<210> 252

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<400> 252

Glu Ser Lys Leu Arg Glu Cys Ala Arg
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<210> 253

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 253

Glu Tyr Lys Leu Gly Glu Cys Ala Arg
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<210> 254

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<212> PRT

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<400> 254

Glu Ser Arg Leu Gln Glu Cys Ala Arg
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<210> 255

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 255

Gln Ala Arg Leu Ala Glu Cys Ala Arg
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<210> 256

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<400> 256

Glu Leu Lys Lys Gln Glu Cys Ala Arg
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<210> 257

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 257

Glu Ser Arg Leu Ser Glu Cys Ala Arg
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<223> Description of Artificial Sequence: Synthetic peptide

<400> 258

Glu Ala Arg Leu Glu Glu Cys Gly Arg
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<210> 259

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<400> 259

Glu Ser Arg Leu Ala Glu Cys Gly Arg
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<210> 260

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<400> 260

Glu Trp Arg Leu Glu Glu Cys Ala Arg
1 5

<210> 261

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 261

Glu Ala Arg Leu Ser Glu Cys Gly Arg
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<210> 262

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 262

Ala Ala Arg Leu Ala Glu Cys Ala Arg
1 5

<210> 263

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peptide

<400> 263
Glu Trp Lys Leu Ala Glu Cys Ala Arg
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peptide

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Glu Ser Lys Leu Glu Glu Cys Ala Arg
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<210> 265
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peptide

<400> 265
Asp Val Lys Leu Ala Glu Cys Ala Arg
1 5

<210> 266
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peptide

<400> 266
Glu Leu Gln Leu Glu Glu Cys Ala Arg
1 5

<210> 267
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<400> 267

Glu Tyr Lys Leu Ala Ser Cys Ala Arg
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<210> 268

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<400> 268

Arg Leu Ser Ile Cys Glu Glu Lys Leu Arg Glu Cys Ala Arg Gly Cys
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<210> 269

<211> 16

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 269

Pro Leu Thr Thr Cys Glu Ala Arg Leu Ala Glu Cys Ala Arg Gln Leu
1 5 10 15

<210> 270

<211> 14

<212> PRT

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 270

Leu Ala Leu Cys Met Lys Leu Met Glu Cys Ala Arg Arg Tyr
1 5 10

<210> 271

<211> 16

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 271

Glu Leu Val Met Cys Glu Leu Arg Leu Arg Glu Cys Ala His Arg Ala
1 5 10 15

<210> 272

<211> 16

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 272

Pro Leu Ala Arg Cys Glu Ala Lys Leu His Glu Cys Ala Arg Gln Leu
1 5 10 15

<210> 273

<211> 16

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 273

Leu Leu Ser Val Cys Glu Leu Lys Leu Ala Glu Cys Ala Arg Ser Lys
1 5 10 15

<210> 274

<211> 16

<212> PRT

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 274

Arg Leu Glu Trp Cys Glu Ala Arg Leu Glu Glu Cys Ala Arg Arg Cys
1 5 10 15

<210> 275

<211> 16

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 275

Arg Leu Arg Val Val Glu Ala Lys Leu Arg Glu Cys Ala Arg Gly Arg
1 5 10 15

<210> 276

<211> 16

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 276

Cys Val Ala His Leu Glu Leu Arg Leu Ala Glu Cys Ala Arg Gln Ile
1 5 10 15

<210> 277

<211> 16

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 277

His Leu Ala Arg Cys Glu Ser Arg Leu Ala Glu Cys Ala Arg Gln Leu
1 5 10 15

<210> 278

<211> 16

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 278

Arg Leu Ala Leu Leu Glu Ala Lys Leu Val Glu Cys Ala Arg Arg Leu
1 5 10 15

<210> 279

<211> 16

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 279

Asp Leu Phe Ser Leu Glu Ser Arg Leu Arg Glu Cys Ala Arg Arg Val
 1 5 10 15

<210> 280

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<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 280

Ala Val Pro Val Leu Glu Ala Lys Leu Ala Glu Cys Ala Arg Arg Phe
 1 5 10 15

<210> 281

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 281

Tyr Leu Gln Gln Leu Gln Trp Arg Leu Glu Glu Cys Ala Arg Gly Met
 1 5 10 15

<210> 282

<211> 17

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 282

Tyr Leu Glu Leu Cys Gln Leu Arg Leu Glu Glu Cys Ala Arg Gln Phe
 1 5 10 15

Asn

<210> 283

<211> 16

<212> PRT

<213> Artificial Sequence

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<400> 283

Glu Leu His Ile Cys Glu Leu Arg Leu Glu Glu Cys Ala Arg Gly Arg
1 5 10 15

<210> 284

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<212> PRT

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<400> 284

Arg Val Ala Arg Cys Glu Leu Arg Leu Ala Glu Cys Ala Arg Lys Ser
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<211> 16

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 285

Tyr Leu Glu Val Leu Glu Ser Arg Leu Ala Glu Cys Ala Arg Trp Lys
1 5 10 15

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 286

Glu Ala Lys Leu Leu Glu Cys Ala Arg Ala Arg
1 5 10

<210> 287

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 287

Glu Leu Ser Leu Cys Glu Ala Arg Ala Gly Val Cys Ala Gly Ser Val
 1 5 10 15

Thr Lys

<210> 288

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 288

Glu Leu Ser Leu Cys Glu Ala Lys Ala Gly Val Cys Ala Gly Ser Val
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Thr Lys

<210> 289

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<400> 289

Ala Leu Trp Gln Cys Val Ala Arg Leu Glu Glu Cys Ala Arg Ser Arg
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<210> 290

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<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 290

Cys Leu Lys Ser Cys Glu Leu Lys Leu Asp Glu Cys Ala Arg Arg Met
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<210> 291
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 peptide

<400> 291
 Ala Leu Gln Thr Cys Glu Trp Arg Leu Gln Glu Cys Ala Arg Ser Arg
 1 5 10 15

<210> 292
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 peptide

<400> 292
 Tyr Ile Ser Gln Cys Glu Ala Lys Leu Ala Glu Cys Ala Arg Leu Tyr
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<210> 293
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 peptide

<400> 293
 Glu Leu Ser Ser Cys Glu Ala Lys Leu Ser Glu Cys Ala Arg Arg Trp
 1 5 10 15

<210> 294
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 peptide

<400> 294
 Glu Leu Ser Ser Cys Glu Ala Arg Leu Ser Glu Cys Ala Arg Arg Trp
 1 5 10 15

<210> 295
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 peptide

<400> 295
 Gln Leu Leu Gln Cys Glu Leu Lys Leu Leu Glu Cys Ala Arg Gln Gly
 1 5 10 15

<210> 296
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 peptide

<400> 296
 Glu Leu Leu Arg Cys Glu Ala Arg Leu Ala Glu Cys Ala Arg Gly Cys
 1 5 10 15

<210> 297
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 peptide

<400> 297
 Gln Leu Arg Gln Cys Glu Leu Arg Leu Gln Glu Cys Gly Arg His Gly
 1 5 10 15

Asn

<210> 298
 <211> 16
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 peptide

<400> 298
 Pro Leu Thr Ser Cys Glu Gln Lys Leu Ala Glu Cys Ala Arg Arg Phe
 1 5 10 15

<210> 299
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<220>
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 peptide

<400> 299
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 1 5 10 15

<210> 300
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 peptide

<400> 300
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<210> 301
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 peptide

<400> 301
 Asp Cys Arg Pro Cys Glu Ser Arg Leu Glu Glu Cys Ala Arg Arg Leu
 1 5 10 15

<210> 302
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 peptide

<400> 302
 Arg Leu Ser Val Cys Glu Ala Arg Leu Glu Glu Cys Ala Arg Gln Leu
 1 5 10 15

<210> 303
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<212> PRT
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 peptide

<400> 303
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 1 5 10 15

<210> 304
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 peptide

<400> 304
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 1 5 10 15

<210> 305
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 305
 Ser Leu Ser Met Cys Glu Ala Arg Leu Ala Glu Cys Ala Arg Leu Leu
 1 5 10 15

<210> 306
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 306
 Pro Leu Phe Ser Cys Glu Leu Lys Leu Gln Glu Cys Ala Arg Arg Cys
 1 5 10 15

Asn

<210> 307
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 307
Ser Leu Glu Arg Cys Tyr Ser Arg Leu Glu Glu Cys Gly Arg Arg Ile
1 5 10 15

<210> 308
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 308
Pro Leu Thr Ser Cys Glu Leu Arg Leu Arg Glu Cys Ala Leu Arg Ser
1 5 10 15

Asn

<210> 309
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 309
Lys Leu Ala Ala Cys Glu Leu Lys Leu Ala Glu Cys Ala Arg Arg Trp
1 5 10 15

<210> 310
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 310
Lys Leu Ala Ala Cys Glu Leu Arg Leu Ala Glu Cys Ala Arg Arg Trp
1 5 10 15

<210> 311
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 311
 Ala Leu Thr Arg Cys Glu Leu Arg Leu Ala Glu Cys Ala Arg Lys Ile
 1 5 10 15

<210> 312
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 312
 Leu Leu Gln Gln Cys Glu Leu Lys Leu Ala Glu Cys Ala Arg Ser Ile
 1 5 10 15

<210> 313
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 313
 Gln Leu Trp Gln Cys Glu Ala Arg Leu Leu Glu Cys Ala Arg Arg Ser
 1 5 10 15

<210> 314
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 314
 Arg Leu Arg Leu Cys Glu Ser Arg Leu Leu Glu Cys Ala Arg Ser Leu
 1 5 10 15

<210> 315
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 315
 Gln Leu Glu Thr Cys Val Leu Lys Leu Glu Glu Cys Ala Arg Arg Cys
 1 5 10 15

Asn

<210> 316
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 316
 Ala Leu Ser Gln Cys Glu Leu Arg Leu Ala Glu Cys Ala Arg Ser Val
 1 5 10 15

Thr Lys

<210> 317
 <211> 11
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 317
 Glu Leu Lys Leu Ala Glu Cys Ala Arg Arg Ser
 1 5 10

<210> 318
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 318

Ala Leu Ser Arg Cys Glu Ser Lys Leu Ala Glu Cys Ala Arg Arg Gln
 1 5 10 15

<210> 319

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 319

Leu Met Ser Thr Cys Glu Ser Lys Leu Arg Glu Cys Ala Arg Ser Leu
 1 5 10 15

<210> 320

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 320

Ser Leu Gln Arg Cys Glu Tyr Lys Leu Gly Glu Cys Ala Arg Ser Leu
 1 5 10 15

<210> 321

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 321

Arg Leu Glu Leu Leu Glu Ser Arg Leu Gln Glu Cys Ala Arg Gln Leu
 1 5 10 15

Asn

<210> 322

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 322

Gln Met Glu Trp Cys Gln Ala Arg Leu Ala Glu Cys Ala Arg Cys Cys
 1 5 10 15

Asn

<210> 323

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 peptide

<400> 323

Pro Leu Phe Ser Cys Glu Leu Lys Lys Gln Glu Cys Ala Arg Arg Cys
 1 5 10 15

Asn

<210> 324

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 peptide

<400> 324

Leu Leu Asp Lys Cys Glu Ser Arg Leu Ser Glu Cys Ala Arg Arg Leu
 1 5 10 15

<210> 325

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 peptide

<400> 325

Leu Leu Ala Arg Cys Glu Ala Arg Leu Glu Glu Cys Gly Arg Gln Cys
 1 5 10 15

<210> 326

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 326

Asp Leu Leu Tyr Cys Glu Ser Arg Leu Ala Glu Cys Gly Arg Met
1 5 10 15

<210> 327

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 327

Ala Leu Gln Met Cys Glu Trp Arg Leu Glu Glu Cys Ala Arg Arg Leu
1 5 10 15

<210> 328

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 328

Leu Leu Thr Met Cys Glu Ala Arg Leu Ser Glu Cys Gly Arg Arg Leu
1 5 10 15

<210> 329

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 329

Ala Leu Trp Arg Cys Glu Ser Arg Leu Ala Glu Cys Ala Arg Arg Ser
1 5 10 15

<210> 330

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 330

Leu Leu Ala Thr Cys Ala Ala Arg Leu Ala Glu Cys Ala Arg Gln Leu
1 5 10 15

<210> 331

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 331

Leu Gln Thr Cys Glu Trp Lys Leu Ala Glu Cys Ala Arg Ser Asn
1 5 10 15

<210> 332

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 332

Pro Leu Arg Ser Cys Glu Ser Lys Leu Glu Glu Cys Ala Arg Gln Leu
1 5 10 15

<210> 333

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 333

Cys Leu Arg Ala Leu Asp Val Lys Leu Ala Glu Cys Ala Arg His Leu
1 5 10 15

<210> 334

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 334

Arg	Leu	Lys	Thr	Leu	Glu	Leu	Gln	Leu	Glu	Glu	Cys	Ala	Arg	Arg	Ser
1				5					10					15	

<210> 335

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 335

Lys	Leu	Arg	Asp	Val	Glu	Leu	Lys	Leu	Ala	Glu	Cys	Ala	Arg	Arg	Ser
1				5					10					15	

<210> 336

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 336

Ser	Leu	Gln	Arg	Cys	Glu	Tyr	Lys	Leu	Ala	Ser	Cys	Ala	Arg	Ser	Leu
1				5					10					15	

<210> 337

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 337

Arg	Leu	Ala	Arg	Cys	Glu	Leu	Arg	Leu	Ala	Glu	Cys	Ala	Arg	Lys	Ser
1				5					10					15	

<210> 338

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 338

Asp Leu Trp Tyr Leu Glu Ser Lys Leu Glu Glu Cys Ala Arg Arg Cys
 1 5 10 15

Asn

<210> 339

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 339

Asp Leu Trp Tyr Leu Glu Ser Lys Leu Glu Glu Cys Ala Arg Arg Ala
 1 5 10 15

Asn Gly

<210> 340

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 340

Asp Leu Trp Tyr Leu Glu Ser Lys Leu Glu Glu Cys Ala Arg Arg Cys
 1 5 10 15

Asn Gly

<210> 341

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 341

Lys Gln Arg Glu Leu Glu Leu Lys Leu Ala Glu Cys Ala Arg Arg Ser
 1 5 10 15

<210> 342

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 342

Gln Met Gln Glu Trp Cys Ala Arg Leu Ala Glu Cys Ala Arg Cys Cys
 1 5 10 15

Asn

<210> 343

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 343

Leu Leu Asp Ile Cys Glu Leu Lys Leu Gln Glu Cys Ala Arg Arg Ala
 1 5 10 15

Asn

<210> 344

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 344

Ala Glu Arg Lys Ala Glu Glu Arg Arg Trp
 1 5 10

<210> 345

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 345

Ala Glu Arg Tyr Ala Glu Glu Arg Glu Gly
1 5 10

<210> 346

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 346

Ala Glu Arg Met Ala Glu Glu Arg Arg Trp
1 5 10

<210> 347

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 347

Ala Glu Arg Lys Ala Glu Glu Arg Arg Arg
1 5 10

<210> 348

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 348

Ala His Arg Asn Ala Glu Glu Arg Arg Trp
1 5 10

<210> 349

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 349

Ala Glu Arg Lys Ser Glu Asp Trp Arg Trp
1 5 10

<210> 350

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 350

Ala Glu Arg Lys Ala Glu Glu Lys Arg Arg
1 5 10

<210> 351

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 351

Ala Glu Arg Gln Ala Glu Thr Arg Arg Trp
1 5 10

<210> 352

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 352

Ala Glu Arg Asn Ala Glu Glu Arg Arg Trp
1 5 10

<210> 353

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 353

Ala Glu Arg Gln Ala Glu Glu Arg Arg Trp
1 5 10

<210> 354

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 354

Ala Glu Arg Arg Ala Glu Glu Arg Arg Trp
1 5 10

<210> 355

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 355

Ala Glu Arg Asp Ala Glu Gln Arg Arg Trp
1 5 10

<210> 356

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 356

Ala Glu Arg Ile Ala Glu Glu Arg Arg Trp
1 5 10

<210> 357

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 357
Ala Glu Arg Ser Ala Glu Glu Arg Arg Trp
1 5 10

<210> 358
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 358
Ala Glu Arg Lys Ala Glu Glu Leu Arg Trp
1 5 10

<210> 359
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 359
Ala Glu Arg Lys Ala Glu Glu Ser Arg Trp
1 5 10

<210> 360
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 360
Glu Glu Arg Lys Ala Glu Glu Arg Arg Trp
1 5 10

<210> 361
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 361
Ala Asp Gly Lys Ala Glu Glu Arg Arg Trp
1 5 10

<210> 362
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 362
Ala Asp Gly Lys Ala Glu Glu Leu Arg Trp
1 5 10

<210> 363
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 363
Ala Asp Gly Met Pro Glu Glu Arg Arg Trp
1 5 10

<210> 364
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 364
Ala Asp Gly Glu Ala Glu Lys Arg Arg Trp
1 5 10

<210> 365
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 365
Ala Asp Gly Asn Ala Glu Glu Arg Arg Trp
1 5 10

<210> 366
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 366
Ala Asp Gly Glu Ala Glu Lys Ala Arg Trp
1 5 10

<210> 367
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 367
Ala Glu Gly Glu Ala Glu Lys Ala Arg Trp
1 5 10

<210> 368
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 368
Gly Glu Arg Lys Ala Glu Glu Arg Arg Trp
1 5 10

<210> 369
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 369

Ala Glu Arg Glu Ala Glu Glu Arg Arg Trp
1 5 10

<210> 370

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 370

Ala Asp Gly Glu Ala Glu Ala Arg Arg Trp
1 5 10

<210> 371

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 371

Ala Asp Gly Arg Ala Glu Glu Ala Arg Trp
1 5 10

<210> 372

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 372

Ala Glu Gly Arg Ala Glu Glu Ala Arg Trp
1 5 10

<210> 373

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 373

Ala Glu Arg Glu Ala Glu Lys Ala Arg Trp
1 5 10

<210> 374

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 374

Ala Glu Arg Lys Ala Glu Glu Gln Arg Trp
1 5 10

<210> 375

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 375

Ala Glu Arg Asp Ala Glu Lys Arg Arg Trp
1 5 10

<210> 376

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 376

Ala Glu Arg Glu Ala Glu Lys Leu Arg Trp
1 5 10

<210> 377

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 377

Met Leu Ala Glu Arg Lys Ala Glu Glu Arg Arg Trp Phe Asn Thr His
 1 5 10 15

Gly Arg Glu

<210> 378

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 378

Met Leu Ala Glu Arg Lys Ala Glu Glu Arg Arg Trp Phe Asn Thr His
 1 5 10 15

Gly Arg Glu Lys
 20

<210> 379

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 379

Gly Gly Gly Met Leu Ala Glu Arg Lys Ala Glu Glu Arg Arg Trp Phe
 1 5 10 15

Asn Thr His Gly Arg Glu
 20

<210> 380

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 380

Cys Met Leu Ala Glu Arg Lys Ala Glu Glu Arg Arg Trp Phe Asn Thr
 1 5 10 15

His Gly Arg Glu
 20

<210> 381
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<400> 381
 Cys Met Leu Ala Glu Arg Lys Ala Glu Glu Arg Arg Trp Phe Asn Thr
 1 5 10 15

His Gly Arg Glu Lys
 20

<210> 382
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<400> 382
 Met Leu Ala Glu Arg Tyr Ala Glu Glu Arg Glu Gly Phe Asn Met Gln
 1 5 10 15

Trp Arg Glu

<210> 383
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<400> 383
 Met Leu Ala Glu Arg Met Ala Glu Glu Arg Arg Trp Phe Arg Arg Met
 1 5 10 15

Gly

<210> 384
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 384

Ile	Val	Ala	Glu	Arg	Lys	Ala	Glu	Glu	Arg	Arg	Arg	Leu	Asn	Thr	Glu
1					5				10					15	

Gly His Glu

<210> 385

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 385

Ile	Leu	Ala	His	Arg	Asn	Ala	Glu	Glu	Arg	Arg	Trp	Phe	Gln	Lys	His
1					5				10					15	

Gly Arg

<210> 386

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 386

Met	Leu	Ala	Glu	Arg	Lys	Ser	Glu	Asp	Trp	Arg	Trp	Leu	Lys	Thr	His
1					5				10					15	

Gly Arg Asp

<210> 387

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 387

Met	Leu	Ala	Glu	Arg	Lys	Ala	Glu	Glu	Lys	Arg	Arg	Leu	Lys	Thr	Gln
1					5				10					15	

Gly Arg Glu

<210> 388
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 388
 Ile Leu Ala Glu Arg Gln Ala Glu Thr Arg Arg Trp Met Arg Asn Ala
 1 5 10 15

Gly Ser Val Thr Lys
 20

<210> 389
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 389
 Met Leu Ala Glu Arg Asn Ala Glu Glu Arg Arg Trp Leu Lys Arg Gln
 1 5 10 15

Cys Gly

<210> 390
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 390
 Met Leu Ala Glu Arg Gln Ala Glu Glu Arg Arg Trp Leu Lys Met His
 1 5 10 15

Gly Gly Glu

<210> 391
 <211> 19

<212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 391
 Met Leu Ala Glu Arg Arg Ala Glu Glu Arg Arg Trp Leu Lys Thr Gln
 1 5 10 15

Gly Gly Asp

<210> 392
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 392
 Met Leu Ala Glu Arg Gln Ala Glu Glu Arg Arg Trp Leu Lys Thr Gln
 1 5 10 15

Gly Arg Asp

<210> 393
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 393
 Met Leu Ala Glu Arg Lys Ala Glu Glu Arg Arg Trp Phe Lys Thr His
 1 5 10 15

Gly Arg Glu

<210> 394
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 394

Met Leu Ala Glu Arg Lys Ala Glu Glu Arg Arg Trp Phe Asn Asn Gln
 1 5 10 15

Gly Arg Glu

<210> 395

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 peptide

<400> 395

Met Pro Ala Glu Arg Asp Ala Glu Gln Arg Arg Trp Leu Lys Thr His
 1 5 10 15

Gly Arg Glu

<210> 396

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 peptide

<400> 396

Ile Leu Ala Glu Arg Ile Ala Glu Glu Arg Arg Trp Leu Lys Thr Gln
 1 5 10 15

Gly Arg

<210> 397

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 peptide

<400> 397

Met Leu Ala Glu Arg Lys Ala Glu Glu Arg Arg Trp Leu Gln Thr His
 1 5 10 15

Gly Arg Glu

<210> 398
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 398
 Ile Leu Ala Glu Arg Ser Ala Glu Glu Arg Arg Trp Leu Lys Thr Gln
 1 5 10 15

Gly Arg Glu

<210> 399
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 399
 Leu Leu Ala Glu Arg Lys Ala Glu Glu Leu Arg Trp Leu Lys Thr His
 1 5 10 15

Gly Arg Glu

<210> 400
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 400
 Met Leu Ala Glu Arg Lys Ala Glu Glu Arg Arg Trp Leu Gln Thr His
 1 5 10 15

Gly Arg Glu

<210> 401
 <211> 12
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 401

Met Leu Ala Glu Arg Asn Ala Glu Glu Arg Arg Trp
1 5 10

<210> 402

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 402

Met Phe Ala Glu Arg Lys Ala Glu Glu Ser Arg Trp Leu Gln Ser Gln
1 5 10 15

Gly Arg Glu

<210> 403

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 403

Met Leu Glu Glu Arg Lys Ala Glu Glu Arg Arg Trp Leu Lys Thr His
1 5 10 15

Gly Arg

<210> 404

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 404

Met Leu Ala Glu Arg Lys Ala Glu Glu Arg Arg Trp Leu Lys Met Gln
1 5 10 15

Gly Arg Glu

<210> 405
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<400> 405
 Met Leu Ala Glu Arg Asn Ala Glu Glu Arg Arg Trp Phe Tyr Thr His
 1 5 10 15

Gly Arg Glu

<210> 406
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<400> 406
 Met Leu Ala Asp Gly Lys Ala Glu Glu Arg Arg Trp Leu Lys Thr His
 1 5 10 15

Gly Leu Asp

<210> 407
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<400> 407
 Met Ile Ala Asp Gly Lys Ala Glu Glu Arg Arg Trp Leu Lys Thr His
 1 5 10 15

Gly Arg Asp

<210> 408
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 408

Met Leu Ala Asp Gly Lys Ala Glu Glu Leu Arg Trp Leu Lys Thr Gln
 1 5 10 15

Gly Ser Asp

<210> 409

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 409

Met Leu Ala Glu Arg Asn Ala Glu Glu Arg Arg Trp Leu Lys Thr His
 1 5 10 15

Gly Arg Asp

<210> 410

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 410

Met Leu Ala Asp Gly Lys Ala Glu Glu Leu Arg Trp Leu Lys Thr Gln
 1 5 10 15

Gly Arg Glu

<210> 411

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 411

Ile Leu Ala Asp Gly Lys Ala Glu Glu Arg Arg Trp Leu Lys Thr His
 1 5 10 15

Gly Arg Asp

<210> 412
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 412
 Met Leu Ala Asp Gly Met Pro Glu Glu Arg Arg Trp Leu Gln Thr His
 1 5 10 15

Gly Arg Asp

<210> 413
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 413
 Met Leu Ala Asp Gly Glu Ala Glu Lys Arg Arg Trp Leu Asn Thr His
 1 5 10 15

Gly Arg Asp

<210> 414
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 414
 Met Leu Ala Asp Gly Asn Ala Glu Glu Arg Arg Trp Leu Met Thr His
 1 5 10 15

Gly Arg Asp

<210> 415
 <211> 19

<212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 415
 Met Leu Ala Asp Gly Glu Ala Glu Lys Ala Arg Trp Leu Lys Thr Gln
 1 5 10 15

Gly Arg Glu

<210> 416
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 416
 Met Leu Ala Glu Gly Glu Ala Glu Lys Ala Arg Trp Leu Lys Thr Gln
 1 5 10 15

Gly Arg Glu

<210> 417
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 417
 Met Leu Ala Asp Gly Lys Ala Glu Glu Arg Arg Trp Leu Lys Thr Gln
 1 5 10 15

Gly Arg Glu

<210> 418
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 418

Met Leu Ala Glu Arg Lys Ala Glu Glu Arg Arg Trp Leu Ser Ala His
 1 5 10 15

Val Arg Glu

<210> 419

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 419

Leu Leu Gly Glu Arg Lys Ala Glu Glu Arg Arg Trp Tyr Lys Thr His
 1 5 10 15

Ala Arg Glu

<210> 420

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 420

Met Leu Ala Glu Arg Lys Ala Glu Glu Arg Arg Trp Leu Met Thr His
 1 5 10 15

Gly His Asp

<210> 421

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 421

Met Leu Ala Glu Arg Lys Ala Glu Glu Arg Arg Trp Leu Lys Ser Gln
 1 5 10 15

Cys Leu Glu

<210> 422
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<400> 422
 Leu Leu Ala Glu Arg Glu Ala Glu Glu Arg Arg Trp Phe Lys Thr His
 1 5 10 15

Gly Arg Glu

<210> 423
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<400> 423
 Met Leu Ala Asp Gly Glu Ala Glu Ala Arg Arg Trp Phe Asn Met His
 1 5 10 15

Gly Arg Glu

<210> 424
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<400> 424
 Met Leu Ala Asp Gly Arg Ala Glu Glu Ala Arg Trp Leu Lys Thr Gln
 1 5 10 15

Gly Ser Glu

<210> 425
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 425

Met Leu Ala Glu Gly Arg Ala Glu Glu Ala Arg Trp Leu Lys Thr Gln
 1 5 10 15

Gly Ser Glu

<210> 426

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 426

Met Leu Ala Glu Arg Glu Ala Glu Lys Ala Arg Trp Leu Lys Thr Gln
 1 5 10 15

Gly Arg Glu

<210> 427

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 427

Met Met Ala Glu Arg Lys Ala Glu Glu Gln Arg Trp Phe Asp Ile His
 1 5 10 15

Gly Arg Asp

<210> 428

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 428

Leu Thr Ala Glu Arg Asp Ala Glu Lys Arg Arg Trp Leu Leu Thr His
 1 5 10 15

Gly Gly Glu

<210> 429
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 429
 Met Leu Ala Glu Arg Gln Ala Glu Glu Arg Arg Trp Leu Lys Ser Gln
 1 5 10 15

Arg Gly Glu

<210> 430
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 430
 Leu Leu Ala Glu Arg Lys Ala Glu Glu Arg Arg Trp Phe Ala Thr His
 1 5 10 15

Gly Arg Asp

<210> 431
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 431
 Met Leu Ala Glu Arg Glu Ala Glu Lys Leu Arg Trp Leu Lys Ser Gln
 1 5 10 15

Glu Arg Ala

<210> 432
 <211> 19

<212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 432
 Met Leu Ala Glu Arg Lys Ala Glu Glu Arg Arg Trp Leu Lys Thr His
 1 5 10 15

Gly Gly Glu

<210> 433
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 433
 Cys Thr Trp Thr Asp Leu Glu Ser Val Tyr
 1 5 10

<210> 434
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 434
 His Thr Thr Asn Glu Gln Phe Phe Met Cys
 1 5 10

<210> 435
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 435
 Asp Thr Trp Leu Glu Leu Glu Ser Arg Tyr
 1 5 10

<210> 436
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 436
 His Asn Ser Ser Pro Met Val Gly Val Thr
 1 5 10

<210> 437
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 437
 Asp Trp Gln Lys Thr Ile Pro Ala Tyr Trp
 1 5 10

<210> 438
 <211> 12
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 438
 Arg Trp Gly Arg Glu Gly Leu Val Ala Ala Leu Leu
 1 5 10

<210> 439
 <211> 12
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 439
 Trp Ser Gly Thr Arg Val Trp Arg Cys Val Val Thr
 1 5 10

<210> 440
 <211> 9

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 440
Met Ser Leu Leu Ser Tyr Leu Arg Ser
1 5

<210> 441
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 441
Leu Asp Leu Leu Ala Ile
1 5

<210> 442
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 442
Arg Ile Tyr Gly Val Lys
1 5

<210> 443
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 443
Met Ile Trp His Met Phe Met Ser Leu Leu Phe
1 5 10

<210> 444
<211> 11
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 444

Phe Phe Trp Ala Ser Trp Met His Leu Leu Trp
1 5 10

<210> 445

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 445

Phe Asp Asp Cys Trp Arg Glu Arg Glu Gln Phe Leu Phe Gln Ala Leu
1 5 10 15

<210> 446

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 446

Cys Gly Arg Ala Ser Glu Cys Phe Arg Leu Leu Glu Met
1 5 10

<210> 447

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 447

Arg Glu Cys Phe Gln Met Leu Glu Arg
1 5

<210> 448

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 448

Cys Ser Ile Arg Trp Asp Phe Val Pro Gly Tyr Gly Leu Cys
1 5 10

<210> 449

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 449

Trp Met Gln Cys Trp Asp Ser Leu Ser Leu Cys Tyr Asp Met
1 5 10

<210> 450

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 450

Ala Leu Leu Met Cys Glu Ser Lys Leu Ala Glu Cys Ala Arg Ala Arg
1 5 10 15

<210> 451

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 451

Leu Ala His Cys Lys Lys Arg Lys Glu Glu Cys Ala Ala Gly
1 5 10

<210> 452

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 452

Ser Ile Asp Gly Val Tyr Leu Arg Thr Ser Arg Thr
1 5 10

<210> 453

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 453

Ser Ile Asp Gly Val Tyr Leu Arg Thr Arg Ser Arg Thr Arg Tyr
1 5 10 15

<210> 454

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 454

Val Arg Trp Leu Arg Gly Ser Thr Leu Arg Gly Leu Arg Asp Arg
1 5 10 15

<210> 455

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 455

Asp Arg Gly Gly Gly Thr Val Gly Val Tyr Trp Trp Glu Ser Tyr
1 5 10 15

<210> 456

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 456

Val Trp Gly Thr Val Gly Thr Trp Leu Glu Tyr
1 5 10

<210> 457

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 457

Leu Met Trp Val Ser Ala Tyr
1 5

<210> 458

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 458

Arg Ala Ser Asp Glu Tyr Gly Ala Leu Val Arg Phe Cys Thr Asn Leu
1 5 10 15

<210> 459

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 459

Asn Tyr Trp Cys Asp Ser Asn Trp Val Cys Glu Ile Ala
1 5 10

<210> 460

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 460

Leu Ala His Cys Leu Leu Arg Leu Glu Glu Cys Ala Ala Gly
1 5 10

<210> 461

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 461

Leu Ala Leu Cys Leu Ala Arg Leu Arg Glu Cys Ala Gly Gly
1 5 10

<210> 462

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 462

Cys Glu Ser Arg Leu Val Glu Cys Ser Arg Met
1 5 10

<210> 463

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 463

Leu Leu Asp Ile Ala Glu Leu Lys Leu Gln Glu Cys Ala Arg Arg Cys
1 5 10 15

Asn

<210> 464

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 464

Lys Leu Leu Asp Ile Ala Glu Leu Lys Leu Gln Glu Cys Ala Arg Arg
 1 5 10 15

Cys Asn

<210> 465

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 465

Cys Ser Thr Gly Gly Gly Leu Thr Ala Glu Arg Asp Ala Glu Lys Arg
 1 5 10 15

Arg Trp Leu Leu Thr His Gly Gly Glu
 20 25

<210> 466

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 466

Leu Thr Ala Glu Arg Asp Ala Glu Lys Arg Arg Trp Leu Leu Thr His
 1 5 10 15

Gly Gly Glu Gly Gly
 20

<210> 467

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 467

Leu Thr Ala Glu Arg Asp Ala Glu Lys Arg Arg Trp Leu Leu Thr His
 1 5 10 15

Gly Gly Glu Gly Gly Lys
 20

<210> 468

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 468

Leu Thr Ala Glu Arg Asp Ala Glu Lys Arg Arg Trp Leu Leu Thr His
 1 5 10 15

Gly Gly Glu Gly Gly Gly Gly
 20

<210> 469

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 469

Leu Thr Ala Glu Arg Asp Ala Glu Lys Arg Arg Trp Leu Leu Thr His
 1 5 10 15

Gly Gly Glu Gly Gly Gly Gly Lys
 20 25

<210> 470

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 470

Glu Ser Gly Trp Val Trp
 1 5

<210> 471

<211> 6

<212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<400> 471
 Asn Ser Gly Trp Val Trp
 1 5

<210> 472
 <211> 5
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<400> 472
 Ser Gly Trp Val Trp
 1 5

<210> 473
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<400> 473
 Pro Leu Gly Lys Cys Glu Ala Thr Cys Arg Glu Met Ala Arg Tyr Phe
 1 5 10 15

Asn

<210> 474
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<400> 474
 Ser Leu Gln Arg Cys Glu Tyr Lys Leu Ala Ser Val Arg Gly Leu Cys
 1 5 10 15

Asn

<210> 475
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 475
 Asp Leu Trp Tyr Leu Glu Ser Lys Leu Glu Glu Ala Ala Arg Arg Cys
 1 5 10 15

Asn Gly

<210> 476
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 476
 Pro Tyr Met Gly Thr Arg Ser Arg Ala Lys Leu Leu Arg Gln Gln
 1 5 10 15

<210> 477
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 477
 Arg Asn Ala Gly Glu Arg Arg Trp Phe Lys Thr Gln Gly Trp Tyr
 1 5 10 15

<210> 478
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 478

Met	Leu	Ala	Glu	Arg	Asn	Ala	Asp	Asp	Arg	Arg	Trp	Phe	Asn	Thr	His
1					5				10					15	

Gly Arg Asp

<210> 479

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 479

Met	Met	Ala	Asp	Gly	Arg	Leu	Arg	Asn	Ser	Val	Gly	Leu	Ile	Leu	Trp
1				5				10						15	

Cys Asp

<210> 480

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 480

Met	Leu	Ala	Asp	Gly	Arg	Leu	Arg	Asn	Val	Val	Gly
1				5				10			

<210> 481

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 481

Leu	Leu	Ala	Asp	Val	Arg	Arg	Arg	Asn	Gly	Val	Gly	Leu	Leu	Arg	Met
1				5				10						15	

Gly Arg Asp

<210> 482

<211> 12

<212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<400> 482
 Met Leu Ala Asp Gly Arg Leu Arg Asn Phe Gly Gly
 1 5 10

<210> 483
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<400> 483
 Thr Tyr Met Thr Tyr Val Tyr Trp Leu Cys
 1 5 10

<210> 484
 <211> 8
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<400> 484
 Arg Phe Gly Glu Arg Trp Gly Leu
 1 5

<210> 485
 <211> 9
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<400> 485
 His Trp Leu Trp Trp Gly Trp Asn Phe
 1 5

<210> 486
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 486

Arg Glu Cys Phe Gln Met Leu Glu Arg Cys
1 5 10

<210> 487

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 487

Ile Leu Ala His Arg Asn Ala Lys Glu Arg Arg Trp Phe Gln Lys His
1 5 10 15

Gly Arg

<210> 488

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 488

Cys Ser Thr Gly Gly Gly Leu Thr Ala Glu Arg Asp Ala Glu Lys Arg
1 5 10 15

Arg Trp Leu Leu Thr His Gly Gly Glu Lys
20 25

<210> 489

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 489

Lys Gly Gly Gly Met Leu Ala Glu Arg Lys Ala Glu Glu Arg Arg Trp
1 5 10 15

Phe Asn Thr His Gly Arg Glu
20

<210> 490

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 490

Lys Ser Thr Gly Gly Leu Thr Ala Glu Arg Asp Ala Glu Lys Arg Arg
1 5 10 15

Trp Leu Leu Thr His Gly Gly Glu
20

<210> 491

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 491

Glu Gln Ser Asn Ser Gly Trp Val Trp Val Gly Gly Gly Gly Cys Lys
1 5 10 15

Lys Lys Cys